

Product: FUNG-AWAY GRANULES
EPA Reg. No.: 869-224
Effective Date: 07/31/1996

MATERIAL SAFETY DATA SHEET

Emergency Phone 800/535-5053

Size	Product Number	UPC Code
8 lb.	03208	0 49424 03208 2

Note: Be sure to compare the EPA registration number as given on the MSDS with the EPA registration number as given on the label as some products have had the active ingredients changed without a corresponding change in the UPC number or in the item description.

1. INGREDIENTS:

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone (also called Triadimefon)
CAS No. 43121-43-3

2. PHYSICAL DATA:

BOILING POINT:	N/A
VAPOR PRESSURE:	1.5 x 10 ⁻⁸ mm Hg @ 20°C
SOL. IN WATER:	60 ppm @ 20°C
SPECIFIC GRAVITY:	N/A
MELTING POINT:	78°C - 82°C
APPEARANCE:	Free-flowing white powder
ODOR:	Slight

3. FIRE AND EXPLOSION HAZARD DATA:

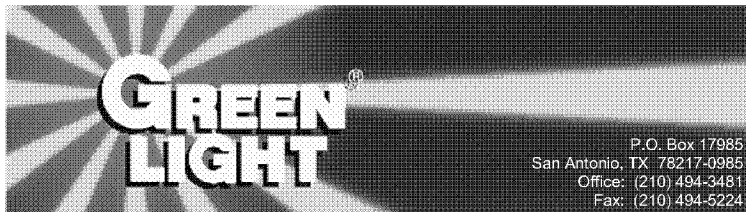
FLASH POINT:	N/A
FLAMMABLE LIMITS:	Not established
EXTINGUISHING MEDIA:	Water spray, foam, CO ₂ , dry chemical.
FIRE AND EXPLOSION HAZARDS:	Keep out of smoke. Cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain run off by diking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated.
DUST EXPLOSION HAZARD:	During the routing handling of this material, there should be little risk of a dust explosion. However, tests on similar organic materials indicate than an explosive mixture can develop. Therefore, appropriate preventative measures should be taken. If a large dust cloud develops, turn off any devices that may cause a spark and leave the area until the cloud dissipates.
NFPA RATINGS:	Health: 1 Flammability: 0 Other: 0 Reactivity: 0

4. REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY (Specific materials to avoid):	Strong oxidizing agents, acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	HCl, hydrazines, amines, nitrogen oxides, CO ₂ .

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS:	Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing dusts and skin contact. Avoid generating dust (a fine water spray mist, plastic film cover, or floor sweeping compound may be used if necessary). Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with
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DISPOSAL METHOD:

soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways. Follow container label instructions for disposal of wastes generated during use in compliance with the FIFRA product label. In other situations, bury in an EPA approved landfill or burn in an incinerator approved for pesticide destruction. Do not reuse container.

6. HEALTH HAZARD DATA:

EYES:

Slight eye irritation may occur from contact with the powder or spray mixture.

SYSTEMIC & OTHER EFFECTS:

No specific systemic symptoms of acute overexposure are known to occur in humans. Based on the results of animal studies, no deleterious effects or symptoms would be expected from chronic exposure to the active ingredient in this product during normal use. Not listed as a carcinogen by NTP, IARC, or OSHA.

7. FIRST AID:

EYES:

Hold eyelids open and flush with copious amounts of water for 15 minutes. Call a physician if irritation persists or develops after flushing. Remove contaminated clothing. Wash affected areas immediately with soap and water. Get medical attention if irritation develops and persists. If signs of intoxication (poisoning) occur, get medical attention immediately.

SKIN:

INGESTION:

If ingestion is suspected, call a physician or poison control center. If medical assistance cannot be given immediately, induce vomiting and get to a hospital. To induce vomiting, administer one or two glasses of water and stick finger down throat. Repeat until vomit is clear. Or if available, administer syrup of ipecac (½ oz. or 15 ml). If vomiting does not occur within 5 - 10 minutes, administer a second dose of ipecac. Do not attempt to give anything by mouth to or induce vomiting in unconscious or convulsing person.

INHALATION:

If a person is overcome by excessive exposure to dusts or aerosols of this material, remove to fresh air or uncontaminated area. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention as soon as possible.

NOTES TO PHYSICIAN:

No specific antidote is available. Treat poisoning victims symptomatically. In case of poisoning, it is also requested that Mobay Corporation, Agricultural Chemicals Division, Kansas City, Missouri, be notified. Telephone: 816/242-2000 or 816/242-2582 (weekends).

8. HANDLING PRECAUTIONS:

VENTILATION:

Use of general and local exhaust ventilation.

RESPIRATORY PROTECTION:

Under normal handling conditions no respiratory protection is needed. However, if needed to prevent respiratory irritation, a respirator approved for dusts and mists by NIOSH may be used.

SKIN PROTECTION:

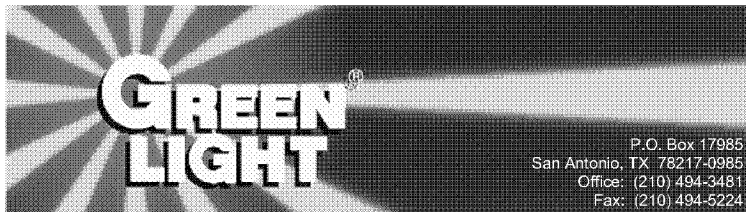
Avoid skin contact. Use chemical-resistant gloves to prevent dermal exposure.

EYE PROTECTION:

Goggles should be used when needed to prevent dust or spray mixture from getting into the eyes.

OTHER:

Clean water should be available for washing in case of eye or skin contamination. Educate and train employees in safe use of the product.



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Follow all label instructions. Launder clothing after use. Wash thoroughly after handling.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN

IN HANDLING AND STORAGE:

30 day average storage temperature not to exceed 100°F. Sensitive to extreme heat and moisture. Store in a cool dry area. Store in an area designated specifically for pesticides. Do not store near any material intended for use or consumption by humans or animals.

ANIMAL TOXICITY:

The active ingredient in this product is slightly toxic orally to animals. Lacrimation, salivation, piloerection, and neurobehavioral changes that include a period of hyperactivity/excitability followed later by drowsiness/somnolence were noted in animal studies with acute poisoning.

Oral LD50 (rat):

Male 812 mg/kg; Female 1,470 mg/kg

Dermal LD50 (rabbit):

> 2,000 mg/kg

Inhalation LC50 (rat):

> 3,532 mg/m³ - 4 hour exposure > 20 mg/l - 1 hr exposure

Chronic feeding studies on the active ingredient using mice, rats, dogs produced no significant adverse effects below 50 ppm (mouse), 1,000 ppm (dog), and approximately 500 ppm (rat).

AQUATIC/AVIAN TOXICITY:

(Bluegill) LC50 - 96 hour (static):

11 ppm

(Rainbow Trout) LC50 -

96 hour (static):

14 ppm

(Daphnia magna) LC50 -

48 hour (static):

1.6 ppm

(Mallard duck) Oral LD50:

> 4,000 mg/kg

8-day dietary LC50:

> 10,000 ppm

(Bobwhite quail) 8-day

dietary LC50:

> 4,640 ppm

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate as of the effective date given above, Green Light makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Green Light's control. Therefore, users are responsible for determining whether under their own operating conditions the product is suitable for their particular use. Users assume all risks of use, handling, and disposal of the product. The publication or use of, or reliance upon, information contained herein does not relate to the use of this product in combination with any other material or in any other process.